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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,851	11/28/2001	Thomas Virtanen	BP103051/TL/SHU	5448

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EXAMINER

THISSELL, JENNIFER I

ART UNIT PAPER NUMBER

3635

DATE MAILED: 09/29/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/994,851

Examiner

Jennifer I Thissell

Applicant(s)

VIRTANEN, THOMAS

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19,20 and 24-26 is/are allowed.
- 6) ☒ Claim(s) 1-11,14,15,21-23 is/are rejected.
- 7) ☒ Claim(s) 12,13 and 16-18 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5,6.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-10 and 21-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 3, the phrase "such as" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Claims 6 and 22 recite the limitation "the impervious polymer membrane(s)". There is insufficient antecedent basis for this limitation in the claims.

Claim 14 is indefinite because it initially recites "the range of 1mm-10mm", but then recites, "and intervals therebetween". This is unclear, as it does not state what the intervals are.

Claims 3-8 and 21-23 are indefinite because the language only further limits one of the materials that was recited as a choice between several materials in the claim from which it depends (i.e. the polymer membrane, foamed polymer). The claims do not serve to limit any part of the invention if one were to select one of the other types of materials.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-11, 14, and 15³² are rejected, as understood, under 35 U.S.C. 103(a) as being unpatentable over Harder (WO 95/00730). Harder teaches an underlay material having a flexible first sheet 4,5 having a first surface and surface area, and dampening projections 6 formed of porous resilient material on the first surface of the first sheet material. The first surface extends continuously and flat beneath the projections and in the area in between them, and the dampening projections are made of a polymer mixture (polystyrene) and are embedded or bonded to the surface. The first sheet is considered a paper, since it is a felt layer, and the projections can be seen to have a total area that is between 5 and 40 percent of the total area of the sheet material. The projections have a thickness (diameter) that is between 3 and 4mm, which is between 1 and 10mm (page 3, line 32). Harder does not disclose that the porous plastic bodies are strips, or that they have a length of at least 2mm, but rather that they can be beads. It would have been obvious to one having ordinary skill in the art at the time the invention was made to place strips of

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the porous plastic bodies on the first surface of the first sheet that are at least of the stated length, since strips would provide a continuous impact and sound absorbing layer that is more uniform than intermittent beads, and discovering the optimum value or range of a result effective variable is considered routine in the art.

It should be noted that claims 3-10 that are rejected above under 35 U.S.C. 112 2nd because they merely limit one of the materials in the claim from which they depend, are not considered to have patentable weight in the 35 U.S.C. 103(a) rejection, because the Examiner has chosen prior art that reads on a different material than the one that the applicant has further defined.

Allowable Subject Matter

Claims 19, 20, and 24-26 are allowed.

Claims 21-23 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Claims 12, 13, and 16-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer I Thissell whose telephone number is (703) 306-5750. The examiner can normally be reached Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman can be reached on (703) 308-0839. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168.



JIT



Carl D. Friedman
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